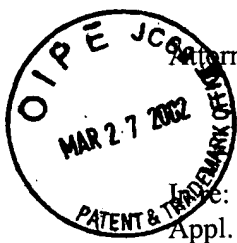


#23/F  
J. Bone  
4-9-02



Attorney's Docket No. 3477-116

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor:	Pugh et al.	Confirmation No.:	
Appl. No.:	09/029,872	Group Art Unit:	3738
Filed:	June 29, 1998	Examiner:	P. Prebilic
For:	ARTIFICIAL STABILIZED COMPOSITION OF CALCIUM PHOSPHATE PHASES PARTICULARLY ADAPTED FOR SUPPORTING BONE CELL ACTIVITY		

March 28, 2002

Commissioner for Patents  
Washington, DC 20231

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AMENDMENT

Sir:

Please amend the above-referenced application as follows:

In the Claims:

F<sub>1</sub> SUB G1

1. (Three times amended) A bioactive artificial sintered composition for consistently supporting bone cell activity, said composition comprising uniformly stabilized tricalcium phosphate having stabilizing entities distributed uniformly throughout, wherein said uniformly stabilized tricalcium phosphate is insoluble in physiological fluids.

F<sub>2</sub> SUB G4

13. (Three times amended) A process for stabilizing an artificial sintered composition of tricalcium phosphate phases having a morphology suitable for supporting bone cell activity, said process comprising uniformly doping a hydroxyapatite substance with stabilizing entities and sintering said uniformly doped hydroxyapatite substance; wherein sintering converts said uniformly doped hydroxyapatite substance into primarily uniformly stabilized tricalcium phosphate which is insoluble in physiological fluids and said stabilizing entities stabilize the formed tricalcium phosphate within the phosphate phases.

F<sub>3</sub>

24. (Twice amended) A sintered artificial microporous polycrystalline structure for supporting bone cell activity, said structure comprising sintered uniformly stabilized tricalcium phosphate phases having a globular surface morphology of loosely interconnected rounded

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Pugh et al.  
 Appl. No.: 09/029,872  
 Filed: June 29, 1998  
 For: ARTIFICIAL STABILIZED COMPOSITION OF

CALCIUM PHOSPHATE PHASES PARTICULARLY  
 ADAPTED FOR SUPPORT BONE CELL ACTIVITY



Confirmation No.: 6664  
 Group Art Unit: 3738  
 Examiner: P. Prebilic

Commissioner for Patents  
 Washington, DC 20231

Sir:

Transmitted herewith is an AMENDMENT in the above-identified patent application.

- ☒ Applicant claims small entity status. See 37 C.F.R. § 1.27.  
☐ No additional fee is required.

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The fee has been calculated as shown below:

(COL. 1)		(COL. 2)	(COL. 3)	SMALL ENTITY		OTHER THAN A SMALL ENTITY	
CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT. FEE	OR RATE	ADDIT. FEE
TOTAL	* 34	** 37	= 0	X9=	\$	X18=	\$
INDEP	* 11	*** 7	= 4	X42=	\$ 168	X84=	\$
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+140=	\$	+280=	\$
				TOTAL ADD FEE \$ 168		OR TOTAL	\$

- \* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
 \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space. The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior Amendment or the number of claims originally filed.

In re: Pugh et al.  
Appl. No.: 09/029,872  
Filed: June 29, 1998  
Atty. Dock. No. 3477-116  
Page 2

- ☐ Please charge my Deposit Account No. 16-0605 in the amount of \$ .
- ☒ A check in the amount \$168 to cover the additional fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any deficiency in payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 16-0605.
- ☒ Any additional filing fees required under 37 C.F.R. § 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 C.F.R. § 1.17.

Respectfully submitted,

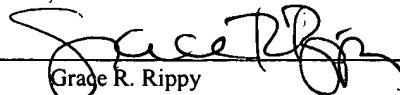


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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, DC 20231, on March 28, 2002.

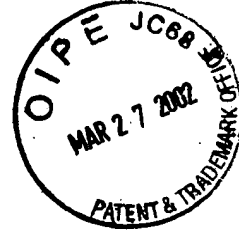
  
\_\_\_\_\_  
Grace R. Rippey

Assistant Commissioner For Patents      Date Mailed: 03/28/2002  
Washington, DC 20231      Atty. Dkt. No. 3477-116

Application No. 09/029,872; Filing Date 06/29/1998  
Inventor(s): Pugh et al.; Title of Invention: ARTIFICIAL STABILIZED  
COMPOSITION OF CALCIUM PHOSPHATE PHASES PARTICULARLY  
ADAPTED FOR SUPPORTING BONE CELL ACTIVITY  
Documents Enclosed: Amendment; Petition and Fee for Extension of Time;  
Amendment Coversheet

Check Enclosed \$460.00 – ext of time: \$168.00 – addtl. claims

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